

APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS/SUBCLASS

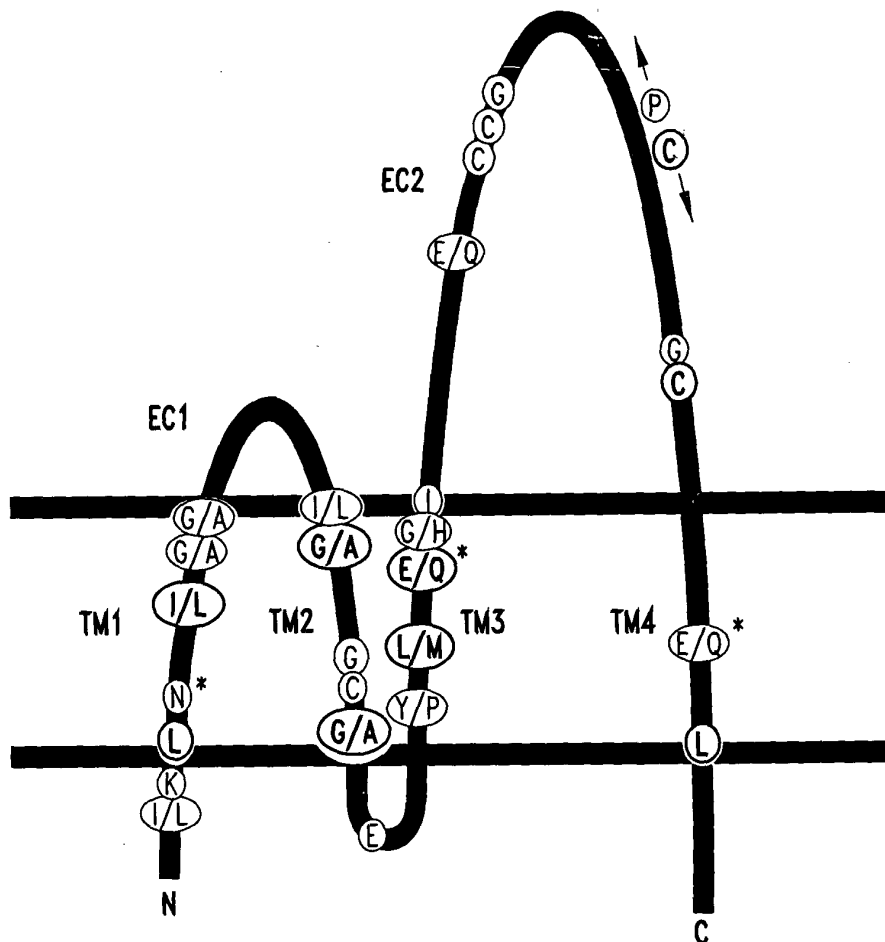


Fig. 1

Title: TETRASPAN PROTEIN AND USES THE

Inventors: Christoph Reinhard et al. Serial No. 09/905,674 Docket No. PP-01700.002/200130.521

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1  CTTCTCGGC CGAGCCGGGC CGCGCGGCCG CTGCCGCCGC CGCGCGCGGA
   GAAGGAGCCG GCTCGGCCCG GCGCGCCGGC GACGGCGGCG GCGCGCGCCT

+1 ]-----
51 TTCTGCTTCT CAGAAGATGC ACTATTATAG ATACTCTAAC GCCAAAGTCA
   AAGACGAAGA GTCTTCTACG TGATAATATC TATGAGATTG CGGTTTCAGT

+1 -----
101 GCTGCTGGTA CAAGTACCTC CTTTTCAGCT ACAACATCAT CTTCTGGTTG
    CGACGACCAT GTTCATGGAG GAAAAGTCGA TGTGTAGTA GAAGACCAAC
    -3 <-----

+3 ]-----
+1 -----
151 GCTGGAGTTG TCTTCCTTGG AGTCGGGCTG TGGGCATGGA GCGAAAAGGG
    CGACCTCAAC AGAAGGAACC TCAGCCCGAC ACCCGTACCT CGCTTTTCCC
    -3 -----

+3 -----
+1 -----
201 TGTGCTGTCC GACCTCACCA AAGTGACCCG GATGCATGGA ATCGACCCTG
    ACACGACAGG CTGGAGTGGT TCACTGGGC CTACGTACCT TAGCTGGGAC
    -3 -----

+3 -----
+1 -----
251 TGGTGCTGGT CCTGATGGTG GCGTGGTGA TGTTACCCTT GGGGTTTCGCC
    ACCAGGACCA GGAATACCAC CCGCACCCTT ACAAGTGGGA CCGCAAGCGG
    -3 -----

+3 -----
+1 -----
301 GGCTGCGTGG GGGCTCTGCG GGAGAATATC TGCTTGCTCA ACTTTTCTG
    CCGACGCACC CCCGAGACGC CCTCTTATAG ACGAACGAGT TGAAAAAGAC
    -3 -----

+3 -----
+1 -----
351 TGGCACCATC GTGCTCATCT TCTTCCTGGA GCTGGCTGTG GCCGTGCTGG
    ACGTGGTAG CACGAGTAGA AGAAGGACCT CGACCGACAC CGGCACGACC
  
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Fig. 2A

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	CLASS SUBCLASS
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+3 -----
+1 -----
401 CCTTCCTGTT CCAGGACTGG GTGAGGGACC GGTTCGGGA GTTCTTCGAG
    GGAAGGACAA GGTCCTGACC CACTCCCTGG CCAAGGCCCT CAAGAAGCTC
-3 -----

+3 -----
+1 -----

                                ClaI
                                ~~~~~

451 AGCAACATCA AGTCCTACCG GGACGATATC GATCTGCAAA ACCTCATCGA
    TCGTTGTAGT TCAGGATGGC CCTGCTATAG CTAGACGTTT TGGAGTAGCT
-3 -----[

+3 ----->
+1 -----
501 CTCCCTTCAG AAAGCTAACC AGTGCTGTGG CGCATATGGC CCTGAAGACT
    GAGGGAAGTC TTTCGATTGG TCACGACACC GCGTATACCG GGACTTCTGA

+1 -----
551 GGGACCTCAA CGTCTACTTC AATTGCAGCG GTGCCAGCTA CAGCCGAGAG
    CCCTGGAGTT GCAGATGAAG TTAACGTCGC CACGGTCGAT GTCGGCTCTC

+1 -----
601 AAGTGCGGGG TCCCTTCTC CTGCTGCGTG CCAGATCCTG CGCAAAAAGT
    TTCACGCCCC AGGGAAGAG GACGACGCAC GGTCTAGGAC GCGTTTTTCA

+1 -----
651 TGTGAACACA CAGTGTGGAT ATGATGTCAG GATTCAGCTG AAGAGCAAGT
    AACTTGTGT GTCACACCTA TACTACAGTC CTAAGTCGAC TTCTCGTTCA

+1 -----
701 GGGATGAGTC CATCTTCACG AAAGGCTGCA TCCAGGCGCT GGAAAGCTGG
    CCCTACTCAG GTAGAAGTGC TTTCCGACGT AGGTCCGCGA CCTTTCGACC

+1 -----
751 CTCCCGCGGA ACATTTACAT TGTGGCTGGC GTCTTCATCG CCATCTCGCT
    GAGGGCGCCT TGTAATGTA ACACCGACCG CAGAAGTAGC GGTAGAGCGA
-1 -----<

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Fig. 2B

Title: TETRASPAN PROTEIN AND USES THEREOF

Inventors: Christoph Reinhard et al. Serial No. 09/905,674 Docket No. PP-01700.002/200130.521

APPROVED BY DRAFTSMAN	O. G. FIG.
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+1 -----
801 GTTGCAGATA TTTGGCATCT TCCTGGCAAG GACGCTGATC TCAGACATCG
CAACGTCTAT AAACCGTAGA AGGACCGTTC CTGCGACTAG AGTCTGTAGC
-1 -----

+1 -----
851 AGGCAGTGAA GGCCGGCCAT CACTTCTGAG GAGCAGAGTT GAGGGAGCCG
TCCGTCACTT CCGGCCGGTA GTGAAGACTC CTCGTCTCAA CTCCCTCGGC
-1 -----

901 AGCTGAGCCA CGCTGGGAGG CCAGAGCCTT TCTCTGCCAT CAGCCCTACG
TCGACTCGGT GCGACCCTCC GGTCTCGGAA AGAGACGGTA GTCGGGATGC
-1 -----

+1 -----]-----
951 TCCAGAGGGA GAGGAGCCGA CACCCCAGA GCCAGTGCCC CATCTTAAGC
AGGTCTCCCT CTCCTCGGCT GTGGGGGTCT CGGTCACGGG GTAGAATTGC
-1 ----- [

+1 -----
1001 ATCAGCGTGA CGTGACCTCT CTGTTTCTGC TTGCTGGTGC TGAAGACCAA
TAGTCGCACT GCACTGGAGA GACAAAGACG AACGACCACG ACTTCTGGTT
-1 -----

+1 -----
1051 GGGTCCCCCT TGTTACCTGC CCAAATTGT GACTGCATCC CTCTGGAGTC
CCCAGGGGGA ACAATGGACG GGTTTGAACA CTGACGTAGG GAGACCTCAG
-1 -----

+1 -----
1101 TACCCAGAGA CAGAGAATGT GTCTTTATGT GGGAGTGGTG ACTCTGAAAG
ATGGGTCTCT GTCTCTTACA CAGAAATACA CCCTCACCAC TGAGACTTTC
-1 <-----

+1 -----
PstI
~~~~~  
1151 ACAGAGAGGG CTCCTGTGGC TGCCAGGAGG GCTTGACTCA GACCCCCTGC  
TGTCTCTCCC GAGGACACCG ACGGTCCTCC CGAACTGAGT CTGGGGGACG  
-1 -----

Fig. 2C

|                             |            |                |
|-----------------------------|------------|----------------|
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|                             |            |                |

+1 -----  
Pst1  
~  
1201 AGCTCAAGCA TGTCTGCAGG ACACCCTGGT CCCYTYTCCA YTGGCWTCCA  
TCGAGTTCGT ACAGACGTCC TGTGGGACCA GGGRARAGGT RACCGWAGGT  
-1 -----

+1 ----->  
1251 GACATCTGCT TTGGGTCATC CACATCTGTG GGTNGGCCGT GGGTAGAGGG  
CTGTAGACGA AACCCAGTAG GTGTAGACAC CCANCCGGCA CCCATCTCCC  
-1 -----

1301 ACCCACAGGC GTGGACAGGG CATCTCTCTC CATCAAGCAA AGCAGCATGG  
TGGGTGTCCG CACCTGTCCC GTAGAGAGAG GTAGTTCGTT TCGTCGTACG  
-1 -----[

1351 GGGGCCTTGC CGTAAACGGG AGGCGNGACG TTGGCCC  
CCCCGGAACG GCATTTGCCC TCCGCNCTGC AACCGGG

*Fig. 2D*

|                             |                  |
|-----------------------------|------------------|
| APPROVED<br>BY<br>DRAFTSMAN | O. G. FIG.       |
|                             | CLASS   SUBCLASS |

1 MHYYRYSNAK VSCWYKLLF SYNIIFWLAG VVFLGVGLWA WSEKGVLSDL  
 51 TKVTRMHGID PVVLVLMVG V MFTLGFAGC VGALRENICL LNFFCGTIVL  
 101 IFFLELAVAV LAFLFQDWVR DRFREFFESN IKSyrDDIDL QNLIDSLQKA  
 151 NQCCGAYGPE DWDLNVYFNC SGASYSREKC GVPFSCCVPD PAQKVNTQC  
 201 GYDVRIQLKS KWDESIFTKG CIQALESWLP RNIYIVAGVF IAISLLQIFG  
 251 IFLARTLISD IEAVKAGHHF

*Fig. 3*

|            |            |                           |             |
|------------|------------|---------------------------|-------------|
| NTSP5:P104 | CHIR22-1   | TGCAGCCTTTCTGTAAGATGGACTC | 25 (7-11-7) |
| NTSP5:P727 | CHIR22-2   | CCCCATGCTGCTTTGCTTGATGGAG | 25 (7-11-7) |
| NTSP5:P285 | CHIR22-3   | GCTCAGCTCGGCTCCCTCAACTC   | 23 (7-9-7)  |
| NTSP5:P456 | CHIR22-4   | CACAAGTTTGGGCAGGTAACAAGGG | 25 (7-11-7) |
| NTSP5:P395 | CHIR22-5   | AGAGGTCACGTCACGCTGATGCTTA | 25 (7-11-7) |
| NTSP5:P104 | CHIR22-1RC | CTCAGGTAGAAGTGCTTTCCGACGT | 25 (7-11-7) |
| NTSP5:P727 | CHIR22-2RC | GAGGTAGTTCGTTTCGTCGTACCCC | 25 (7-11-7) |
| NTSP5:P285 | CHIR22-3RC | CTCAACTCCCTCGGCTCGACTCG   | 23 (7-9-7)  |
| NTSP5:P456 | CHIR22-4RC | GGGAACAATGGACGGGTTTGAACAC | 25 (7-11-7) |
| NTSP5:P395 | CHIR22-5RC | ATTCTAGTCGCACTACGCTGGAGA  | 25 (7-11-7) |

*Fig. 4*

|             |                |
|-------------|----------------|
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| DRAFTSMAN   | CLASS SUBCLASS |

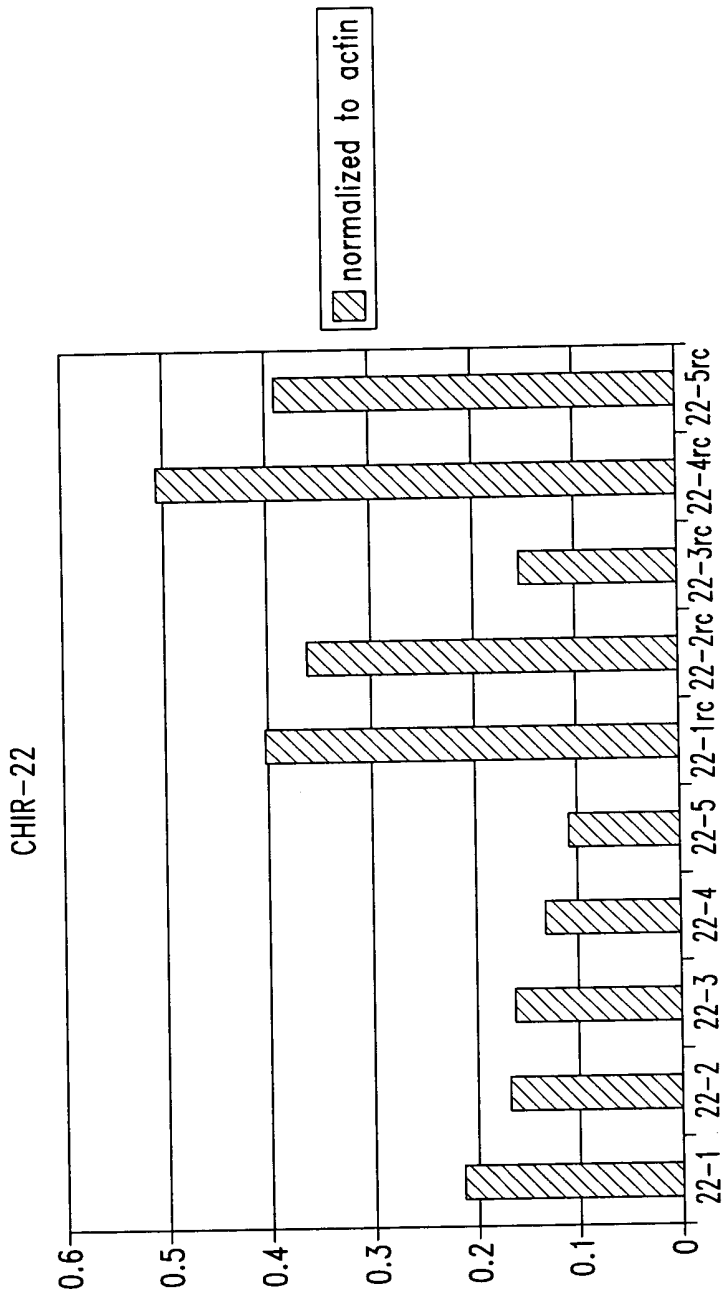


Fig. 5

|           |           |
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| APPROVED  | O.G. FIG. |
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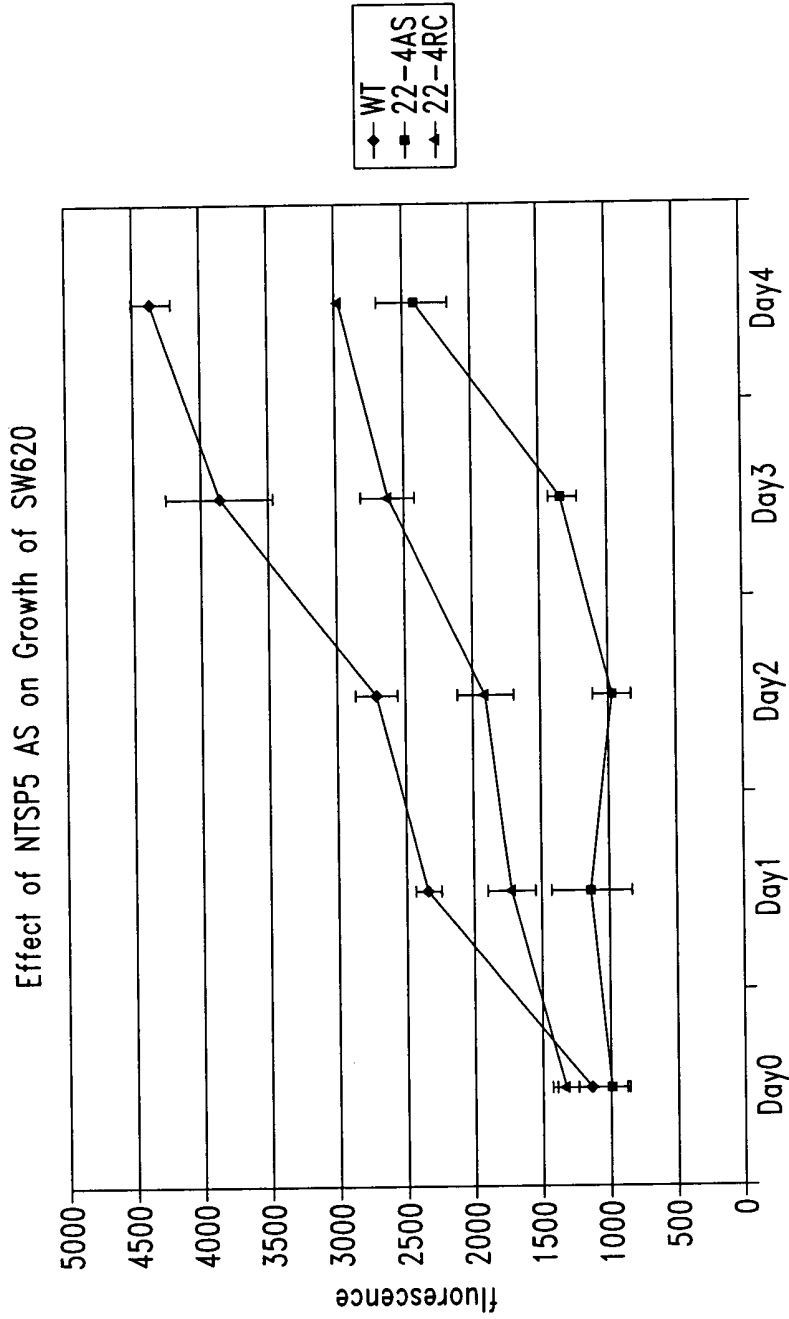


Fig. 6